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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Kevin I. Bertness

Serial No : 10/046,659

Filed : October 29, 2001

For : ENERGY MANAGEMENT SYSTEM FOR  
AUTOMOTIVE VEHICLE

Docket No.: C382.12-0105

Group Art Unit:

Examiner:

*Proton...*  
*1-2703*

### SECOND PRELIMINARY AMENDMENT

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
ASSISTANT COMMISSIONER FOR PATENTS,  
WASHINGTON, D.C. 20231, THIS

21 DAY OF Feb 2001  
*[Signature]*  
PATENT ATTORNEY

Sir:

Prior to the first Official Action, it is respectfully  
requested that the following amendments be made.

#### IN THE SPECIFICATION

Please replace the paragraph beginning at Page 1, Line 4  
and ending at Page 1, Line 13:

*Sub*  
*AF*  
The present invention is a divisional of application  
Serial No. 09/564,740, filed May 4, 2000 which is a  
Continuation-In-Part of application Serial No. 08/962,754,  
filed November 3, 1997, now U.S. Patent No. 6,081,098 and also  
a Continuation-In-Part of application Serial No. 09/575,627,  
filed May 22, 2000, which is a Continuation-In-Part of  
application Serial No. 08/962,754, filed November 3, 1997, now  
U.S. Patent No. 6,081,098 and also claims priority to  
Provisional Application Serial No. 60/132,622, filed May 5,  
1999, and entitled AUTOMOTIVE VEHICLE BATTERY CHARGING SYSTEM;  
U.S. Provisional Application No. 60/165,208, filed November 12,